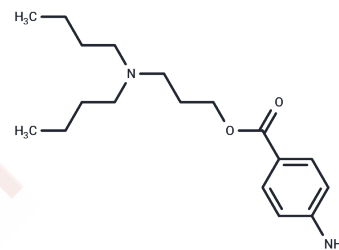


Butacaine

Chemical Properties

CAS No. :	149-16-6
Formula:	C ₁₈ H ₃₀ N ₂ O ₂
Molecular Weight:	306.44
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Butacaine is a local anesthetic.
Targets(IC50)	Others,Sodium Channel

Solubility Information

Solubility	DMSO: 125 mg/mL (407.91 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 3.3 mg/mL (10.77 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2633 mL	16.3164 mL	32.6328 mL
5 mM	0.6527 mL	3.2633 mL	6.5266 mL
10 mM	0.3263 mL	1.6316 mL	3.2633 mL
50 mM	0.0653 mL	0.3263 mL	0.6527 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Avdeef A, et al. Eur J Pharm Sci. 2008 Jan;33(1):29-41.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481